

# Boltaron® 4355 Clear

TRANSLUCENT FAR-RATED SHEET FOR AIRCRAFT INTERIORS

Boltaron® 4355 offers superior chemical resistance, clarity and durability compared to other materials. Meet long-term hygiene and safety standards without having to worry about the negative effects of cleaning products, crazing or bending.

## CHARACTERISTICS AND USES

- Provides superior durability in use
- Extremely cleanable
- Impact resistant
- Chemical resistant
- Easy, consistent fabrication
- Won't craze when bent
- Not notch sensitive

## USES

- 2D or 3D FAR 25.853(a) compliant privacy passenger safety dividers
- Check-in counter barriers

## OTHER CLEAR GRADES

- Boltaron® 4350 parts with a custom texture
- Boltaron® 4350D parts with a protected print
- Boltaron® 9916 meets FAR 25.853(a) and (d)

## PERFORMANCE DETAILS

### FAR RATINGS

FAR 25.853(a)(i)	(Flammability) (Vertical burn, 60 sec) Pass
FAR 25.853(a)(ii)	(Flammability) (Vertical burn, 12 sec) Pass

### PROPERTIES

<b>Specific Gravity</b> (ASTM D792)	1.36	
<b>Tensile Strength @ Yield</b> (ASTM D638)	8,600 psi	59 MPa
<b>Tensile Strength @ Break</b> (ASTM D638)	6,200 psi	42 MPa
<b>Elongation @ Yield</b> (ASTM D638)	3.36%	
<b>Elongation @ Break</b> (ASTM D638)	84.3%	
<b>Tensile Modulus</b>	448,000 psi	3,080 MPa
<b>Flexural Strength @ Yield</b> (ASTM D790)	14,800 psi	102 MPa
<b>Flexural Modulus</b> (ASTM D790)	483,000 psi	3,330 MPa
<b>Izod Impact (notched) @ 73 °F (23 °C)</b> (ASTM D256)	0.65 ft-lb/in	34 J/m
<b>Hardness Rockwell</b> (ASTM D785)	111.5	
<b>Heat Deflection Temperature</b> (ASTM D648)	152 °F @264 psi	66.7 °C @1.8 MPa
<b>Light Transmission</b> (ASTM D1003)	79%	
<b>Haze</b> (ASTM D1003)	4.8	

\* Independent lab tests. All tests at 73 °F (23 °C) in dry conditions unless otherwise noted.

### SHEET CONFIGURATIONS

<b>Sizes</b>	48 x 96 (1,220 mm x 2,440)
<b>Gauges</b>	0.040 to 0.472 in (1.0-12.0 mm)
<b>Custom</b>	Blank sizes, gauges on request

**FABRICATION AND MAINTENANCE:** This material can be routed and heat bent. It can be cleaned daily using standard aviation cleaning products. Follow the instructions on the bottle and make sure to remove all of the product residue with a soft cloth after cleaning.

Visit [www.boltaron.com/cleaningandmaintenance](http://www.boltaron.com/cleaningandmaintenance) for full list of tested cleaning products.

ISO 9001:2015 and AS9100D Certified

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S E R I E S

4355 CLEAR



Featured on the Aerofoam Industries seat divider system 'The Sentinel.'

### DESIGN OPTIONS

- Color** Clear with a slight blue tint
- Texture** Smooth
- Masking** Both sides

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**RELIABILITY MEETS INNOVATION**